

Product datasheet for **RC223436A1V**

Human ZNF600 (NM_198457) AAV Particle

Product data:

Product Type:	AAV Particles
Product Name:	Human ZNF600 (NM_198457) AAV Particle
Tag:	Myc-DDK
Symbol:	ZNF600
Synonyms:	KR-ZNF1
Mammalian Cell Selection:	None
Vector:	pAAV-AC-Myc-DDK (PS100089)



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**ORF Nucleotide
Sequence:**

>RC223436 ORF sequence, **codon optimized**.
Due to the complexity of NM_198457, the ORF clone is codon optimized for mammalian Expression.
The nucleotide sequence differs from the reference sequence, yet the amino acid sequence remains identical.

Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**

ATGATGAAGGAAGTGCTGTCCACCGGGCAAGGGAACACGGAGGTTATCCACACAGGTACCCTGCAAAGAT
 ATCAAAGCTACCACATTGGAGATTTTTGTTTCCAGGAAATAGAGAAGGAGATCCATGATATCGAGTTCCA
 GTGCCAGGAGGACGAACGAATGGTCACGAGGCTCCTATGACAAAAATCAAGAACTACCGGCTCAACG
 GATCAGCACGACCATAGGCATGCGGGCAATAAGCCTATTAAGACCAGCTTGGCTCCTCATTTTATTAC
 ATCTGCCCGAGCTGCATATTATACAAATTAAAGGGAAGATCGGAAATCAGTTCGAGAAATCTACAAGTGA
 CGCCCCCTAGTGAAGCACCAGTCAACGAATCTCTCCCCGCCCTCAGATTCATATCTCTAATAACTATGGC
 AACAACTACCAAACCTCTCTGCTGCCCCAAAAACAAGAAGTATACATGCGAGAGAAGAGTTTCCAAT
 GTAACGAGAGTGGCAAGGCCTTAACCTGCTCAAGCCTCTTGCGCAACACCAGATTCTCACCTGGGTGA
 CAAACAGTACAAGTGCAGCTGTGCGTAAGTTGTTCAACCATAAACAGTACCTGACGTGCCATAGGAGG
 TGTCTACTGGGAAAAACCTTACAAGTGAACGAGTGTGGGAAGTCTTTCAGTCAAGTGAGTTCTCTCA
 CATGCCATAGACGCCTTACACCGCTGTCAAAGCCACAAATGCAATGAATGTGGCAAGATTTTGGCCA
 AAATTCGCACTGGTTATTCACAAGGCCATCCATACTGGCGAAAAGCCATATAAGTGTAACGAGTGCAT
 AAAGCCTTTAACCAACAGTCCAACCTCGCGCGGCACCGCGGATCCACACTGGGGAAAAACCATATAAGT
 GCGAGGAATGCGACAAGGTTTTAGCCGGAATCTACACTGGAAGTCAAGCGCATTACACCGGCGA
 GAAGCCCTACAAGTGCAAGGTCTGTGACACAGCCTTCACTTGAATAGTCAGTGGCTCGACACAAACGA
 ATACATACTGGCGAGAAGACCTATAATGTAATGAATGTGAAAGACCTTATGTCACAAGAGCTCACTTG
 TCTGCCACCACAGGCTGCACGGCGGCGAGAAGTCTTACAAGTGAAGGTGTGCGACAAGGCATTTGCCTG
 GAACTCTACCTCGTCCGACATACCAGAATACATTCTGGTGGAAAGCCATATAAGTGCAATGAGTGTGGG
 AAAACCTTTGGTCAGAATAGCGACTTGCTGATCCACAAGAGCATCCACACTGGCGAGCAGCCATACAAGT
 ACGAGGAATGTGAAAAAGTGTTAGTTGTGGGTCTACATTGGAAACTCATAAATCATTACACCGGTGA
 GAAACCGTACAAATGCAAAGTCTGCGACAAGGCTTTTGCTGTCTAGCTATCTGGCCAAACATACTAGG
 ATACACTCAGGCGAAAAGCCCTACAAGTGAACGAGTGCAGCAAGACGTTTCGCCTCCGAAGTTACCTTG
 CTTCTCACAGGCGAGTGCACTTCTGGCGAGAAACCGTACAAGTGAATGAATGCAGTAAAACATTTTCTCA
 ACGGTCTTATTGCAATTGTCATCGCCGACTTCACAGCGGCGAAAAACCTATAAGTGCAATGAGTGCAGG
 AAGACCTTTAGCCACAAGCCTTCACTGGTCCACCACAGGAGACTGCACACAGGCGAAAAAGCTACAAGT
 GTACAGTTTGTGACAAAGCCTTCGTGCGGAACCTCTATCTCGCTCGACACAGGAGATCCACACCGCCGA
 GAAGCCTTACAAATGCAACGAGTGGGAAAAAGCCTTCAACCAGCAGAGTCAGCTCAGTTGCATCATAGA
 GTCCACGCCGGCGAGAAGCTCTACAAGTGTGAAACCTGCGACAAAGTGTCTCCCGAAAAATCCCACCTTA
 AGAGGCACCGAAGGATTACCCCGGCAAGAAACCTATAAGTGCAAGGTCTGTGATAAAACATTCGGATC
 TGATAGCCACCTTAAGCAGCATACAGGCTGCACACAGGCGAGAAGCCATACAAATGTAATGAGTGCAGG
 AAAGCATTTAGTAAGCAGAGTACACTGATTCACCACAGGCAGTTCACGGGTGGGGAAGCTGGAC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:	>RC223436 representing NM_198457 Red=Cloning site Green=Tags(s) MMKEVLSTGQGNTTEVIHTGTLQRYQSYHIGDFCFQEIEKEIHDIEFQCQEDERNGHEAPMTKIKKLTGST DQHDHRHAGNPKIDQLGSSFYSHLPELHIIQIKGKIGNQFEKSTSDAPSVSTSQRISPRPQIHISNNYG NNSPNSSLLPQKQEVYMRKESFQCNEGKAFNCSSLLRKHQIPHLGDKQYKCDVCGKLFNHKQYLTCHRR CHTGEKPYKCNECGKSFQVSSLTCHRRRLHTAVKSHKCNECGKIFGQNSALVIHKAHTGEKPYKCNECD KAFNQQSNNLARHRRRIHTGEKPYKCECDKVF SRKSTLESHKRIHTGEKPYCKVCDTAF TWNSQLARHHR IHTGEKTYKCNECGKTF SHKSSLVCHHRLHGGEKSYKCKVCDKAFWNHSLVRHTRIHS GGKPYKCNECG KTFGQNSDLLIHKSIHTGEQPYKYEECEKVF SCGSTLETHKIIHTGEKPYCKVCDKAFACHSYLAKHTR IHSGEKPYKCNECSKTFRLRSYLASHRRVHSGEKPYKCNECSKTF SQRSYLHCHRRLHSGEKPYKCNECG KTF SHKPSLVHHRRLHTGEKSYKCTVCDKAFVRNSYLARHTRIHTAEKPYKCNECGKAFNQQSLSLHHR VHAGEKLYKCETCDKVF SRKSHLKRHRIHPGKKPYCKVCDKTFGSDSHLKQHTGLTGEKPYKCNECG KAFSKQSTLIHHQAVHGVGKLD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Species:	Human
Serotype:	AAV-2
ACCN:	NM_198457
ORF Size:	2166 bp
Buffer:	PBS with 0.001% Pluronic F8655
Stability:	AAV is stable for 1 year when stored at -80°C (long-term storage) or 2-3 weeks when stored at -20°C (short-term storage). Thaw the vial of AAV on ice prior to use and keep it on ice during the experiment. Thawed AAV can be stored at 4°C for 1-2 weeks. Whenever possible, particles should be aliquoted into single use portions to avoid repeated freeze/thaw cycles. Please aliquot at least 10ul per tube and use low protein binding tubes to avoid loss of virus.
RefSeq:	<u>NM_198457.1, NP_940859.1</u>
RefSeq Size:	3239 bp
RefSeq ORF:	2169 bp
Locus ID:	162966
UniProt ID:	<u>Q6ZNG1</u>
Cytogenetics:	19q13.41
MW:	83.2 kDa